

Mc
Graw
Hill
Education



Find the
MATH PROGRAM
That Best Fits Your Needs



We all share the same goal: to raise adult learners' numeracy skills so they can succeed in college and career. But your students have different learning styles, and your adult education center has unique needs. That's why adult educators need a range of options. You need the flexibility to choose the curriculum that best fits your needs, whether you're looking for a hands-on, activity-based approach; more traditional instruction; adaptive learning; or anything in between.

There are four main spectrums to consider when choosing your math program:

MODE OF INSTRUCTION - Is math instruction primarily delivered in whole-class settings, or do students tend to work individually based on their specific needs?

MODE OF INSTRUCTION



FORMAT - Do your students require straightforward review and practice of math skills, or do they need to build a more in-depth, conceptually-based foundation?

FORMAT



DELIVERY - What mode of delivery works with the logistics of your center and your learners?

DELIVERY



CCRS LEVEL - At what levels are your students? This chart shows learner levels based on 3 measurement systems—TABE levels, Grade Equivalency Level, and CCRS levels—to help you identify solutions based on the system you use.

CCRS LEVEL



Build students' conceptual understanding of math

EMPower is a research-based math program that utilizes a hands-on, activity-based approach. Rather than relying on extensive rote practice, EMPower builds learners' conceptual understanding of mathematics. This understanding is the critical foundation they can use to explore the more advanced concepts needed for future educational and career success. With a focus on productive struggle through first applying problem-solving strategies, then exploring the various procedures for arriving at solutions, students are immersed and engaged in rich problem-solving investigations. EMPower lessons foster the eight Mathematical Practices described in the College and Career Readiness Standards.

MODE OF INSTRUCTION

Instructor Led Individualized

FORMAT

Practice Conceptual

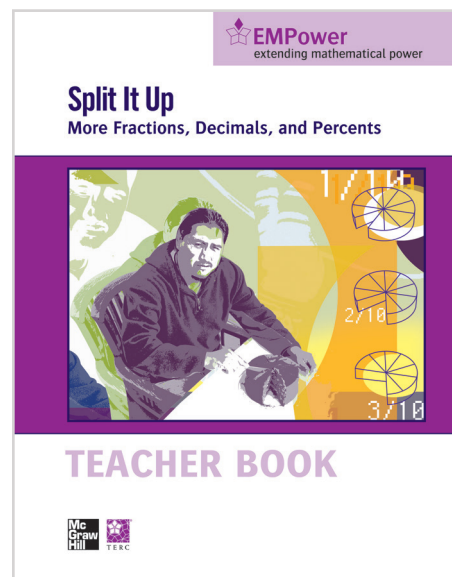
DELIVERY

Print Digital

CCRS LEVEL

TABE E TABE M TABE D TABE A

LEVEL A (GLE K-1) LEVEL B (GLE 2-3) LEVEL C (GLE 4-5 + 6) LEVEL D (GLE +6 7-8) LEVEL E (GLE 9-12)



Student Editions

Split It Up: More Fractions, Decimals, and Percents	978-0-0767-2137-5
Using Benchmarks: Fractions and Operations	978-0-0767-2134-4
Everyday Number Sense: Mental Math and Visual Models	978-0-0767-2136-8
Many Points Make a Point: Data and Graphs	978-0-07-662087-6
Seeking Patterns, Building Rules: Algebraic Thinking	978-0-07-662088-3
Over, Around, and Within: Geometry and Measurement	978-0-07-662089-0
Keeping Things in Proportion: Reasoning with Ratios	978-0-07-662093-7
Operations Sense: Even More Fractions, Decimals, and Percents	978-0-07-662094-4

Teacher Editions

Many Points Make a Point: Data and Graphs	978-0-07-662095-1
Seeking Patterns, Building Rules: Algebraic Thinking	978-0-07-662096-8
Split It Up: More Fractions, Decimals, and Percents	978-0-0767-2149-8
Using Benchmarks: Fractions and Operations	978-0-0767-2139-9
Everyday Number Sense: Mental Math and Visual Models	978-0-0767-2144-3
Over, Around, and Within: Geometry and Measurement	978-0-07-662097-5
Operations Sense: Even More Fractions, Decimals, and Percents	978-0-07-662102-6
Keeping Things in Proportion: Reasoning with Ratios	978-0-07-662101-9

College and Career Readiness Workbooks

Connect academics with workplace applications

The *College and Career Readiness Practice Workbooks* provide sample practice of core math skills and connect academics with workplace applications. These consumable workbooks span a 6–12 grade level equivalency range, providing a seamless source of progressive practice as students transition from foundational skills acquisition to preparation for any high school equivalency test. Each skill is presented with a brief lesson that is followed by extensive practice. Critical and higher-order thinking skills are integrated into every lesson to prepare students for college and careers. Also available in Spanish.

MODE OF INSTRUCTION

Instructor Led Individualized

FORMAT

Practice Conceptual

DELIVERY

Print Digital

CCRS LEVEL

TABE E

TABE M

TABE D

TABE A

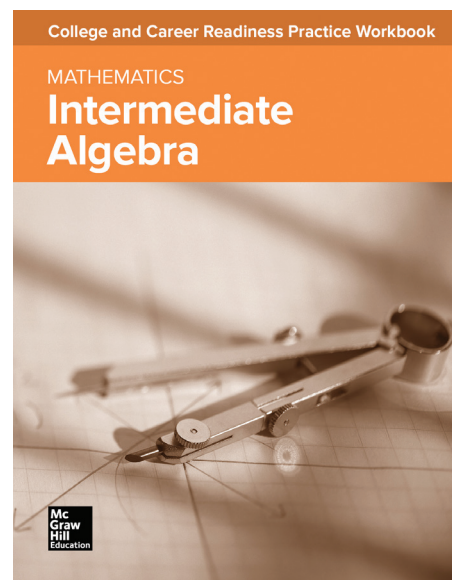
LEVEL A
(GLE K–1)

LEVEL B
(GLE 2–3)

LEVEL C
(GLE 4–5 + 6)

LEVEL D
(GLE +6 7–8)

LEVEL E
(GLE 9–12)



Intermediate Algebra 10 Pack	978-0-0767-5511-0
Geometry & Measurement 10 Pack	978-0-0767-5510-3
Basic Algebra 10 Pack	978-0-0767-5508-0
Data Analysis & Probability 10 Pack	978-0-0767-5506-6
Ratios, Proportions, & Percents 10 Pack	978-0-0767-5505-9
Number Concepts 10 Pack	978-0-0767-5503-5
Intermediate Algebra Spanish Edition 10 Pack	978-0-0767-5533-2
Geometry & Measurement Spanish Edition 10 Pack	978-0-0767-5532-5
Basic Algebra Spanish Edition 10 Pack	978-0-0767-5531-8
Data Analysis & Probability Spanish Edition 10 Pack	978-0-0767-5530-1
Ratios, Proportions, & Percents Spanish Edition 10 Pack	978-0-0767-5529-5
Number Concepts Spanish Edition 10 Pack	978-0-0767-5528-8

High School Equivalency Series

The High School Equivalency series is purposefully designed to help students perform at their best while developing the foundation for college and career readiness. Through direct correlations with skill requirements, adult educators are able to adeptly cover core math skills and practices while teaching critical thinking skills and linking instruction to real world application. It's the highest quality, most comprehensive curriculum available for the adult learner.

Common Core Basics®

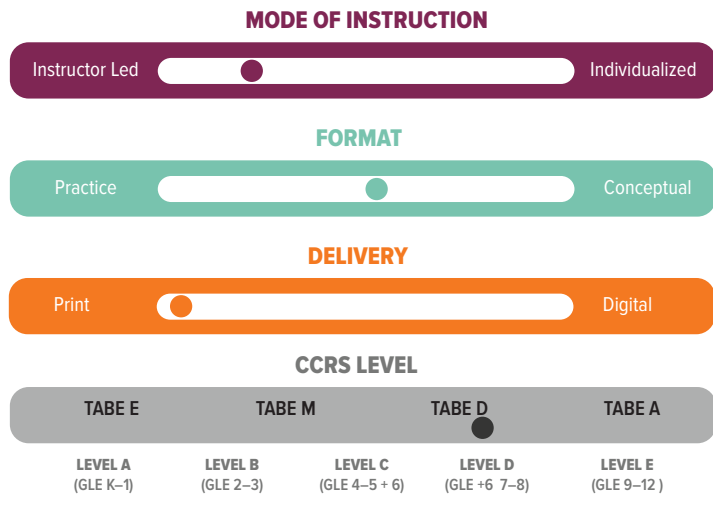
Build essential math skills for students working toward high school equivalency

Common Core Basics builds foundational skills for students who eventually plan to obtain their high school certificates. The *Basics* Math Core Subject Module (print) provides in-depth core instruction that focuses on foundational math skills for 6–8 GLE learners. Each math lesson includes practice.

Also available in Spanish.

Mathematics

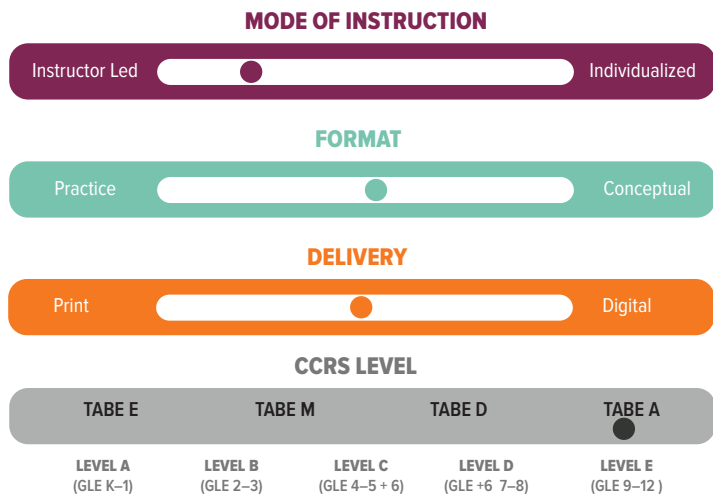
978-0-07-657519-0



Common Core Achieve®

Prepare students to earn their high school equivalency certificate

Common Core Achieve prepares students for CCRS-based high school equivalency exams. The *Achieve* Math Core Subject Module (print) provides in-depth core instruction for 9–12 GLE learners. The complementary *Achieve* Exercise Book (print) provides 2014 GED® Test, TASC test, or *HiSET* Exam-specific practice for each lesson taught in the Core Subject Module.



Achieve Core Subject Module: Mathematics	978-0-02-143257-8
2014 GED Test Exercise Book: Mathematics	978-0-02-135568-6
TASC Test Exercise Book: Mathematics	978-0-02-143261-5
HiSET Exam Exercise Book: Mathematics	978-0-02-143270-7
Core Subject Module Instructor Guide: Mathematics	978-0-02-136703-0

Common Core Achieve® Online

Pivot between stand-alone digital or blended learning options for high school equivalency preparation

Common Core Achieve prepares students for new CCRS-based high school equivalency exams. The mathematics course within Achieve Online/Interactive provides in-depth core instruction for 9–12 GLE learners. Each digital lesson is accompanied by interactive 2014 GED® Test, TASC test, or HiSET Exam-specific practice.

MODE OF INSTRUCTION

Instructor Led

Individualized

FORMAT

Practice

Conceptual

DELIVERY

Print

Digital

CCRS LEVEL

TABE E

TABE M

TABE D

TABE A

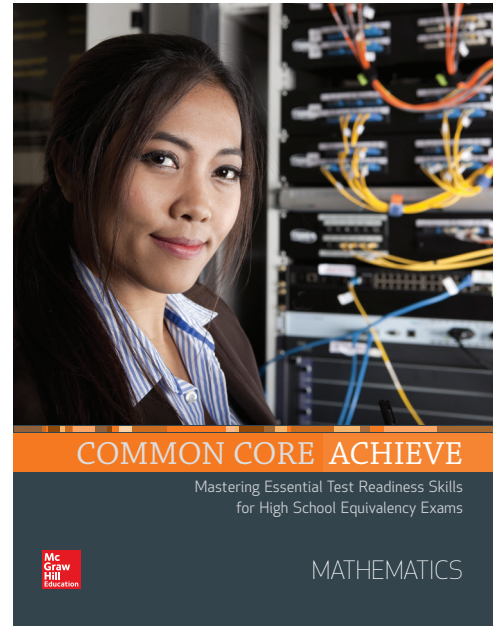
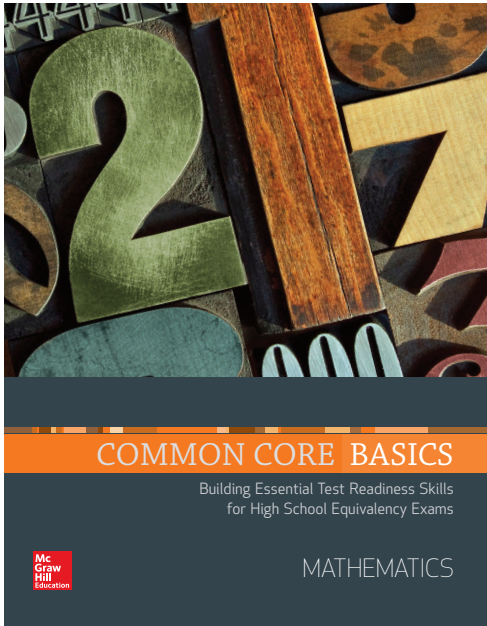
LEVEL A
(GLE K–1)

LEVEL B
(GLE 2–3)

LEVEL C
(GLE 4–5 + 6)

LEVEL D
(GLE +6 7–8)

LEVEL E
(GLE 9–12)



COMMON CORE ACHIEVE

SUBJECTS MESSAGES REPORTS

Reading & Writing
In Progress Completed Overview

Mathematics
In Progress Completed Overview

Science
In Progress Completed Overview

Social Studies
In Progress Completed Overview

▼ Chapter 1: Identify Main Ideas and Details
Lesson 1.1: Determine the Main Idea
Pretest Review Lesson Review Posttest Start

▼ Chapter 6: Evaluate Textual Evidence
Lesson 6.1: Identify Argument Development
Pretest Review Lesson Review Posttest Start

Lesson 6.2: Identify Supporting Evidence
Pretest Review Lesson Review Posttest Start

Lesson 6.3: Evaluate Relevance and Sufficiency
Pretest Review Lesson Resume Posttest Start

Lesson 6.4: Evaluate Validity and Reasoning
Pretest Review Lesson Resume Posttest Start

Lesson 6.5: Evaluate Logic and Identify Hidden Assumptions
Pretest Review Lesson Start Posttest Start

▼ Chapter 7: Analyze Structure Across Texts
Lesson 7.2: Compare Similar Genres
Pretest Review Lesson Review Posttest Start

Lesson 7.3: Analyze Two Arguments
Pretest Review Lesson Resume Posttest Start

Lesson 7.4: Evaluate the Impact of Genre and Format
Pretest Review Lesson Resume Posttest Start

Master the math portion of any high school equivalency test through adaptive learning

LearnSmart Achieve is an online adaptive learning program specifically designed to help students prepare for the 2014 GED[®] Test, TASC test, or HiSET Exam. It creates a personalized and continually adjusting learning path to streamline student mastery, maximize retention, and increase students' confidence levels. LearnSmart helps determine if students are ready to take the test while identifying and eliminating learning gaps prior to test day.

MODE OF INSTRUCTION

Instructor Led Individualized

FORMAT

Practice Conceptual

DELIVERY

Print Digital

CCRS LEVEL

TAB E	TAB M	TAB D	TAB A	
LEVEL A (GLE K-1)	LEVEL B (GLE 2-3)	LEVEL C (GLE 4-5 + 6)	LEVEL D (GLE +6 7-8)	LEVEL E (GLE 9-12)

2014 GED Adaptive Test Prep: Mathematics 1 year	978-0-02-135597-6
2015 GED Adaptive Test Prep: Mathematics 3 year	978-0-02-136645-3
TASC Adaptive Test Prep: Mathematics 1 year	978-0-02-143301-8
TASC Adaptive Test Prep: Mathematics 3 year	978-0-02-134339-3
HiSET Adaptive Test Prep: Mathematics 1 year	978-0-02-135615-7
HiSET Adaptive Test Prep: Mathematics 3 year	978-0-02-134346-1

LEARNSMART MASTER Beginning Algebra

1 TUNE IN 2 FOCUS 3 PRACTICE

Solve.
 $9h - 7 - 10h = -5$

Calculator interface showing the equation $9h - 7 - 10h = -5$ and the solution steps:

$$9h - 7 + 7 - 10h = -5 + 7$$

$$9h - 10h = 2$$

$$-h = 2$$

$$h = 2$$

Incorrect!

You made a mistake at step 4

$$9h - 7 + 7 - 10h = -5 + 7$$

$$\rightarrow 9h - 10h = 2$$

$$\rightarrow -h = 2$$

$$\times h = 2$$

Try to find and correct the mistake. Then click "Submit work" again.

Help me more!

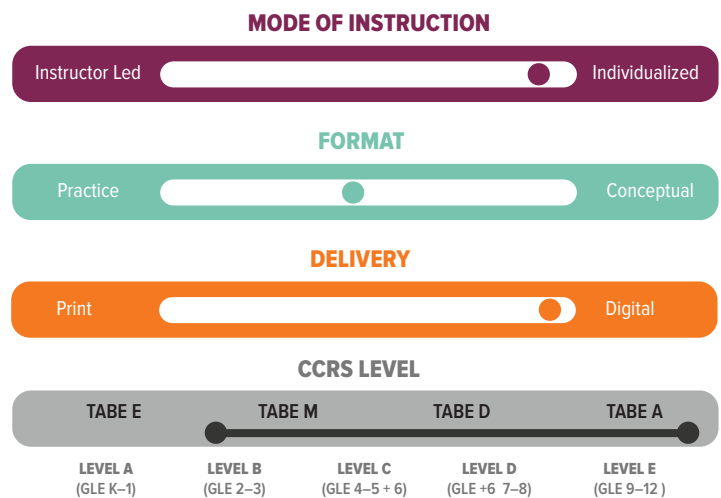
Submit work Show answer

Overview My Reports Back to Assignments Support Center Logout

Leverage adaptive learning technology to help students learn math efficiently

ALEKS is an adaptive online learning program that leverages rigorous research and powerful artificial intelligence to guide students through personalized learning plans based on what concepts each student is most ready to learn. ALEKS guides students along their optimal learning path, targeting and eliminating knowledge gaps along the way. Courses range from GLE 3 through GLE 12 and College Readiness. ALEKS can be used on its own or as a strong supportive resource with *Common Core Basics*, *Transitions Math*, and *EMPower*.

Also available in Spanish.



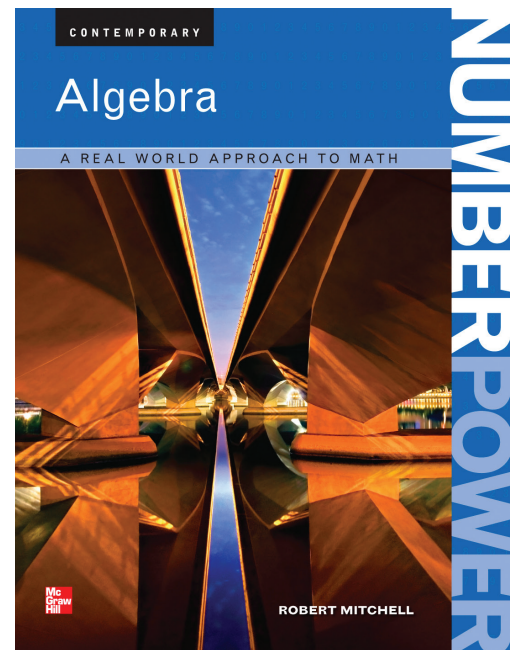
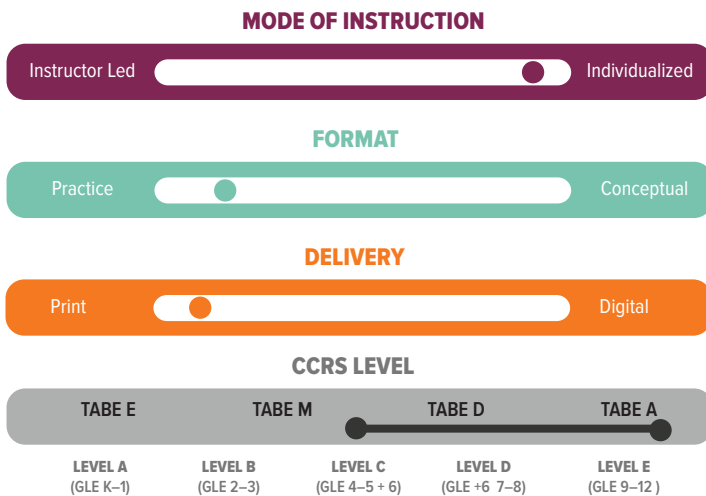
1 month subscription	21455570
2 month subscription	21447705
3 month subscription	002138133X
5 month subscription	21381445
7 month subscription	21381216
9 month subscription	21455015
10 month subscription	21452490
12 month subscription	21450625



Number Power

Target specific skills through traditional math instruction

Each of the eight *Number Power* books targets a particular set of math skills with straightforward explanations, easy-to-follow, step-by-step instructions with real-life examples, and extensive reinforcement exercises. The Exam View CD lets instructors create printable worksheets and tests for their students based on the skills for which they need additional practice or assessment.



Addition, Subtraction, Multiplication, and Division	978-0-07-657794-1
Fractions, Decimals, and Percents	978-0-07-659227-2
Algebra	978-0-07-659227-2
Geometry	978-0-07-659229-6
Graphs, Charts, Schedules, and Maps	978-0-07-659230-2
Word Problems	978-0-07-659231-9
Problem-Solving and Test-Taking Strategies	978-0-07-659232-6
Analyzing Data	978-0-07-659233-3
Measurement	978-0-07-659234-0
Pre-Algebra	978-0-07-659235-7
Calculator Power	978-0-80-922385-5
Review	978-0-07-659236-4
Financial Literacy	978-0-07-661348-9
Transitions Math	978-0-07-661499-8

Career Readiness Preparation Series

Develop career-ready math skills through real-world workplace contexts

This career-focused resource provides review and practice of math skills needed in today's workplace, including mathematical reasoning, critical thinking, and problem solving. Applied Mathematics is aligned to the skills needed for Career Readiness Certification.

MODE OF INSTRUCTION

Instructor Led Individualized

FORMAT

Practice Conceptual

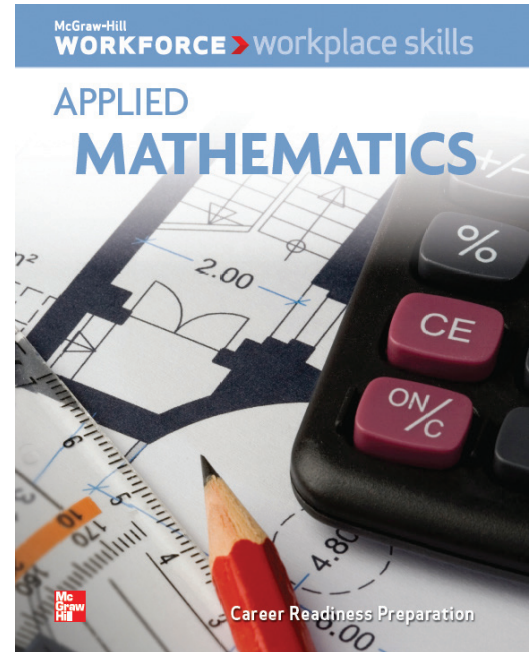
DELIVERY

Print Digital

CCRS LEVEL

TABE E TABE M TABE D TABE A

LEVEL A (GLE K-1) LEVEL B (GLE 2-3) LEVEL C (GLE 4-5 + 6) LEVEL D (GLE +6 7-8) LEVEL E (GLE 9-12)



Applied Mathematics Student Workbook	978-0-07-657481-0
Applied Mathematics Teacher Edition	978-0-07-662800-1

Workforce Access: Transitions Math

Help students transition into college-level math courses

Transitions Math is an online course aimed at helping learners prepare for college-level mathematics. The course is intended to bridge the gaps between what a student has already learned and what he or she needs to know in order to succeed in postsecondary education or the workplace.

MODE OF INSTRUCTION

Instructor Led Individualized

FORMAT

Practice Conceptual

DELIVERY

Print Digital

CCRS LEVEL

TABE E TABE M TABE D TABE A

LEVEL A (GLE K-1) LEVEL B (GLE 2-3) LEVEL C (GLE 4-5 + 6) LEVEL D (GLE +6 7-8) LEVEL E (GLE 9-12)

McGraw-Hill WORKFORCE ACCESS Quadratic Equations

Basics of Quadratic Equations

What is a Quadratic Equation?
Look at the tables of values for two equations, one linear and one quadratic.

Linear: $y = x$	x	y	Quadratic: $y = x^2$	x	y
Each y has one and only one possible x .	0	0	Here the same y -value can be produced by two different x -values.	0	0
	1	1		1	1
	2	2		2	4
	3	3		3	9

The table for the linear equation shows the following coordinates: (0, 0), (1, 1), (2, 2), and (3, 3).

The table for the quadratic equation shows these ordered pairs: (0, 0), (1, 1), (-1, 1), (2, 4), (-2, 4), (3, 9), and (-3, 9). The graph of the quadratic equation is a parabola.

You will learn more about this unique shape when you study graphing quadratics. For now, make sure you understand why the solutions to the quadratic equation create this shape instead of a straight line.

Linear equation $y = x$

Quadratic equation $y = x^2$

Transitions Math	978-0-07-663999-1
------------------	-------------------

For more information, contact your sales representative at
HighSchoolEquivalency.com/Numeracy



Because learning changes everything.™